

Rio Hondo - Wren Transmission Line Project

AEP Texas representatives plan to expand the local electric transmission system in Cameron County, Texas.

What

The project involves building approximately 6 miles of two new single-circuit 345 kilovolt (kV) transmission lines, constructing a new Substation and upgrading the existing Rio Hondo Substation.

AEP Texas officials plan to file a Certificate of Convenience and Necessity (CCN) application with the Public Utility Commission of Texas (PUCT) following a review of public input on route link development and additional route analysis. Project representatives expect to file a CCN application by late spring 2027. The final line route is determined by the PUCT.

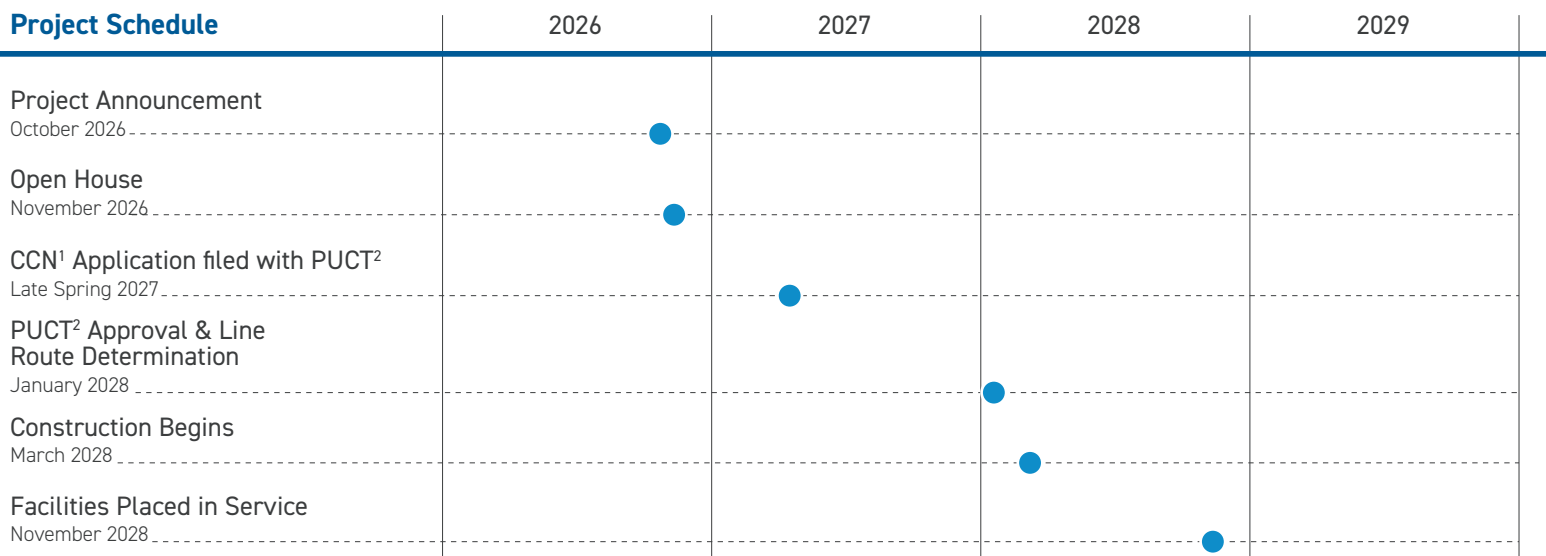
Why

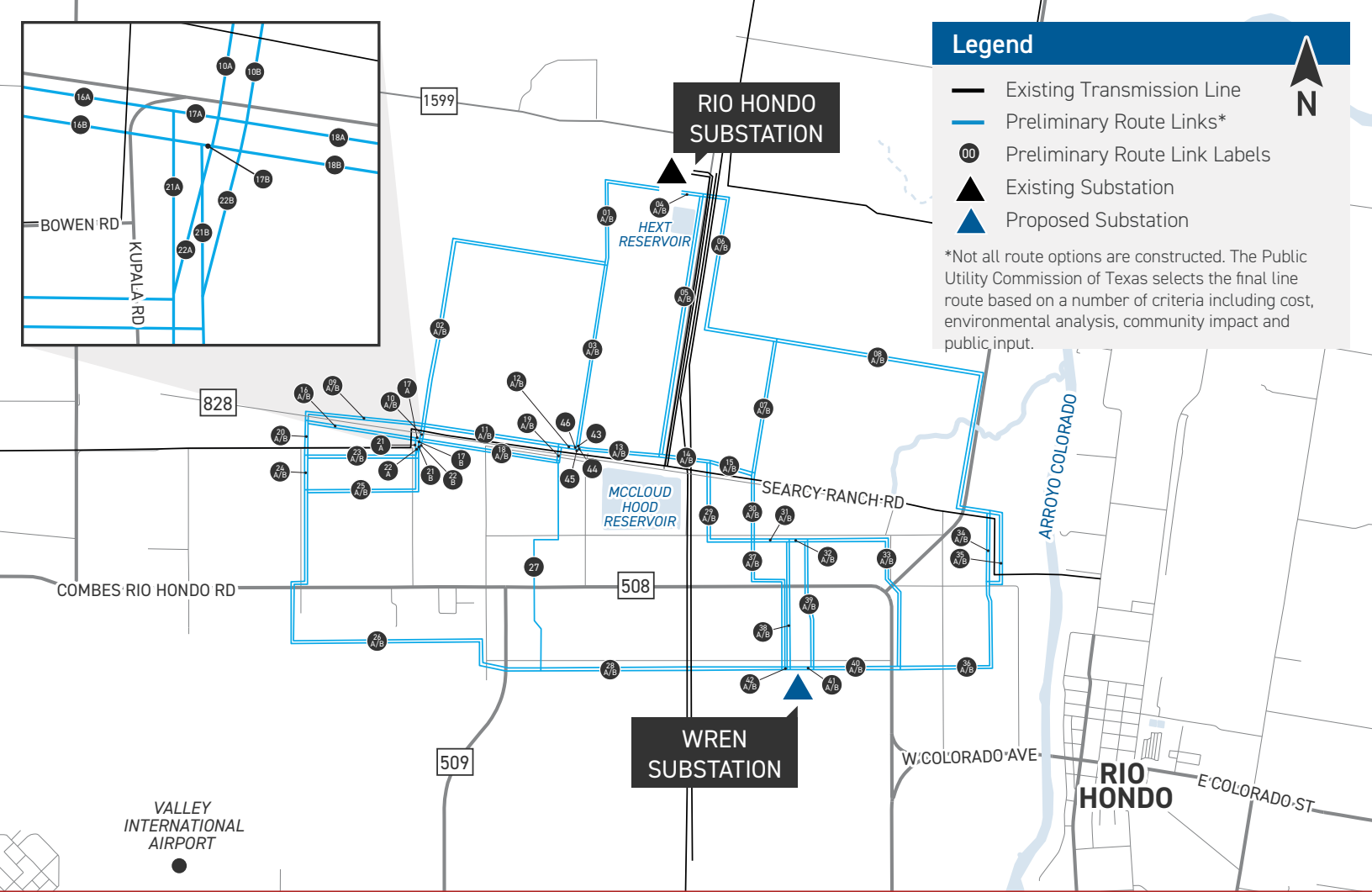
The project provides additional electrical capacity to support the area's future growth and development.

Where

The project area is within Cameron County, Texas.

Project Schedule





Typical Structures

AEP Texas crews plan to use a combination of concrete and steel poles.

Typical Structure Height:

Approximately 100-150 feet*

Typical Distance Between Structures:

Approximately 800 feet*

Typical Right-of-Way Width:

Approximately 200 feet*



100-150
feet tall*

*Exact structure, height and right-of-way requirements may vary.



We value your input. Please send comments and questions to:

AEP Texas Project Outreach Team
AEPTexasOutreach@aep.com • 833-329-4865

AEPTexas.com/RioHondo-Wren

10/15/2026